Terminal Boxes
BXJ-S Series Terminal Boxes

- Explosion protection to
  - -CENELEC
  - -IEC
  - -NEC
- Can be used in
  - Zone 0, Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 2, Groups A, B, C, D
- Stainless steel enclosure.
- International brand of explosion-proof terminal.

Catalogue number logic

BXJ-S - □ □

- Internal terminal type (a.....f)
- Enclosure type (I, II, III.....)
- Terminal boxes (Stainless steel)

WAROM

Zones 0&1&2; 21&22

Technical data

Terminal boxes (Ex e IIC Ex ia IIC) BXJ-S-□□

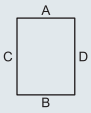
Explosion protection	
Gas explosion protection	Ⓔx II 2 G Ex e IIC T6 or T5 Gb　　Ⓔx II 1 G Ex ia IIC T6 Ga
Dust explosion protection	Ⓔx II 2 D Ex tb IIIC T80℃ or T95℃ Db IP66　　Ⓔx II 2 D Ex tb IIIC T80℃ Db IP66
Certificates	LCIE 10 ATEX 3071X; IECEx CQM 11.0020X; RU C-CN.ГБ05.B.00345 (CU-TR) KZ.7500525.22.01.00364 (CU-TR)
Conformity to standards	EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31 IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31
Enclosure material	Stainless steel
Terminal	International brand of explosion-proof terminal Ex-mark: Ⓔx II 2 GD Ex e II
Exposed fastener	Stainless steel
Rated voltage	Max. 500V AC
Rated current	

Cross section	2.5mm²	4mm²	6mm²	10mm²	16mm²	35mm²
Ex e Rated current	24A	32A	41A	57A	76A	125A
Ex ia Rated current	5A	5A	-	-	-	-

Degree of protection	IP66, IP67 (optional)
Ambient temperature	Ex e: T6/T80℃ for Tamb: -40℃ ~ +40℃; T5/T95℃ for Tamb: -40℃ ~ +50℃ Ex ia: T6/T80℃ for Tamb: -40℃ ~ +50℃
Note	Ex e Rated current > 125A on request.

Cable entry table

Table of max. number of possible enclosure entries with cable glands DQM-I

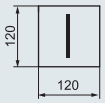
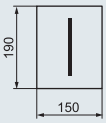
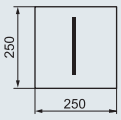
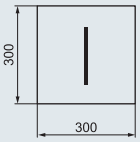
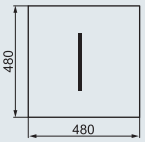
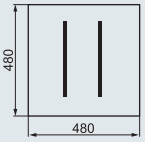
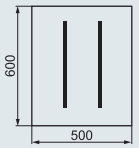
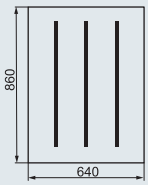


Size	I		II		III		IV		V		VI		VII	
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20 x 1.5	2	2	3	4	9	9	12	12	20	20	20	28	40	54
M25 x 1.5	1	1	3	3	8	8	10	10	18	18	18	24	26	40
M32 x 1.5	/	/	2	3	6	6	8	8	12	12	12	16	14	26
M40 x 1.5	/	/	/	/	3	3	4	4	6	6	6	14	10	20
M50 x 1.5	/	/	/	/	2	2	3	3	5	5	5	12	8	9
M63 x 1.5	/	/	/	/	2	2	2	2	4	4	5	5	5	7

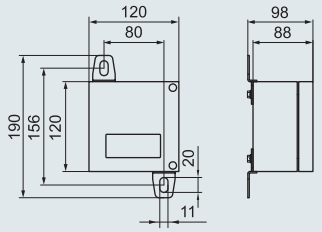
Note: 1. No cable entries for standard design. Cable entries shall be drilled by user.
2. For cable entries:
1) Please specify the direction and size of each cable entry.
2) Cable gland is optional, DQM-I (Ex e) is recommended. Please see P7/17~19.

Selection table of BXJ-S series terminal boxes

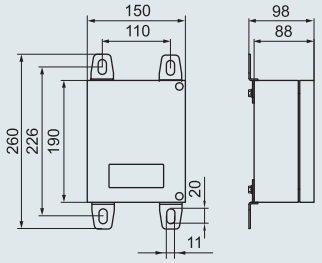
Max. cross section of cable connected to terminals is 35mm^2
See table for max. number of fitted terminals

Cross section of cable (mm^2) / Enclosure code/Ordering code	Outline	2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Weight (kg)
I		10	8	—	—	—	—	2.25
II		15	12	10	—	—	—	3.60
III		25	22	18	15	12	8	7.40
IV		30	28	25	20	14	10	8.70
V		60	55	45	35	30	20	18.60
		120	110	90	70	60	—	18.60
VI		160	140	100	80	70	50	25.70
VII		300	270	240	165	135	72	40.10

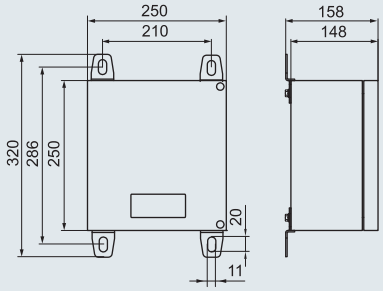
Dimension drawings (all dimensions in mm) - subject to alteration



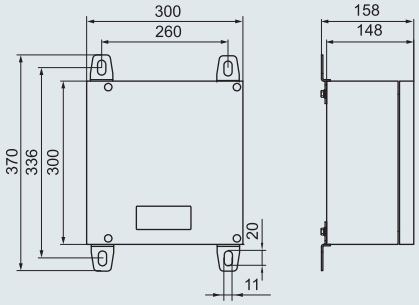
Type I



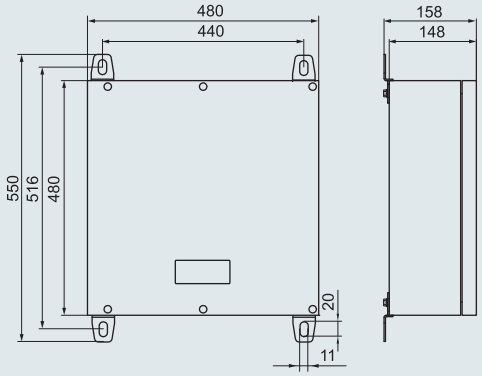
Type II



Type III



Type IV



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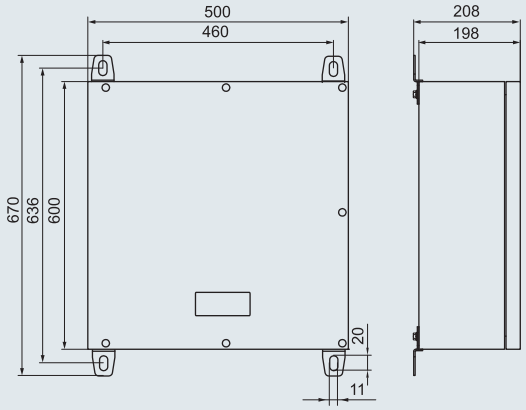
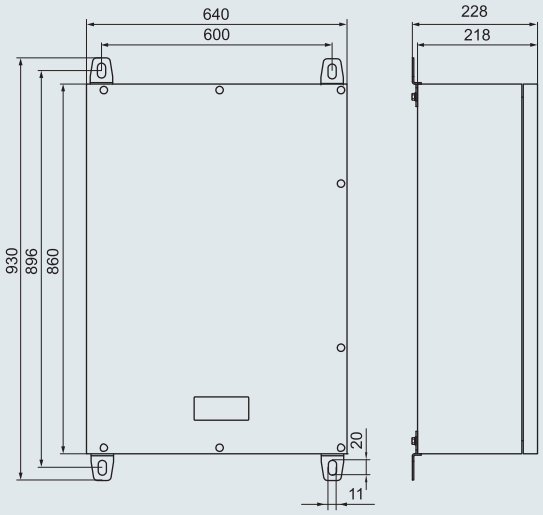


Type VI



Type VII